



11-14-05

Attorney's Docket No.: 17601-019001 / BB 067083.0161

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joseph A. Zupanick et al.

Art Unit : 3673

Serial No. : 10/003,917

Examiner : John J. Kreck

Filed : November 1, 2001

Title : METHOD AND SYSTEM FOR SURFACE PRODUCTION OF GAS FROM A  
SUBTERRANEAN ZONE**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request. A copy of a communication from a foreign patent office in a related application is also enclosed.

This statement is being filed after the filing date of a Request for Continued Examination filed June 22, 2005 and before the receipt of a first Office Action on the merits. No fees are believed to be due. However, please apply any deficiencies or any other required fees or any credits to deposit account 06-1050, referencing the attorney docket number shown above.

Respectfully submitted,

Date:

11/10/05

Joshua A. Griswold

Reg. No. 46,310

Fish & Richardson P.C.  
1717 Main Street  
Suite 5000  
Dallas, Texas 75201  
Telephone: (214) 292-4034  
Facsimile: (214) 747-2091

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Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
17601-019001Application No.  
10/003,917**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

Applicant  
Joseph A. Zupanick et al.Filing Date  
November 1, 2001Group Art Unit  
3673**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A1	2,934,904	05/03/1960	H.V. Hendrix			
	A2	3,163,211	12/29/1964	D.H. Henley			
	A3	3,534,822	10/20/1970	Campbell et al.			
	A4	3,578,077	05/11/1971	Glenn, Jr. et al.			
	A5	3,763,652	10/09/1973	Rinta			
	A6	4,662,440	05/05/1987	Harmon et al.			
	A7	4,676,313	06/30/1987	Rinaldi			
	A8	4,705,109	11/10/1987	Ledent et al.			
	A9	4,718,485	01/12/1988	Brown et al.			
	A10	4,727,937	03/01/1988	Shum et al.			
	A11	4,754,808	07/05/1988	Harmon et al.			
	A12	5,016,709	05/21/1991	Combe et al.			
	A13	5,115,872	05/26/1992	Brunet et al.			
	A14	5,289,888	03/01/1994	Talley			
	A15	5,343,965	09/06/1994	Talley et al.			
	A16	5,941,307	08/24/1999	Tubel			
	A17	5,944,107	08/31/1999	Ohmer			
	A18	5,988,278	11/23/1999	Johnson			
	A19	5,992,524	11/30/1999	Graham			
	A20	6,079,495	06/27/2000	Ohmer			
	A21	6,089,322	07/18/2000	Kelley et al.			
	A22	6,170,571 B1	01/09/2001	Ohmer			
	A23	6,192,988 B1	02/27/2001	Tubel			
	A24	6,199,633 B1	03/13/2001	Longbottom			
	A25	6,247,532 B1	06/19/2001	Ohmer			
	A26	6,263,965 B1	07/24/2001	Schmidt et al.			
	A27	6,283,216 B1	09/04/2001	Ohmer			

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified) <b>Information Disclosure Statement          by Applicant</b> (Use several sheets if necessary) (37 CFR §1.99(b))	U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 17601-019001	Application No. 10/003,917
	Applicant Joseph A. Zupanick et al.			
	Filing Date November 1, 2001		Group Art Unit 3673	

### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A28	6,318,457 B1	11/20/2001	Den Boer et al.			
	A29	6,470,978 B2	10/29/2002	Trueman et al.			
	A30	6,491,101 B2	12/10/2002	Ohmer			
	A31	6,554,063 B2	04/29/2003	Ohmer			
	A32	6,557,628 B2	05/06/2003	Ohmer			
	A33	6,564,867 B2	05/20/2003	Ohmer			
	A34	2004/0020655 A1	02/05/2004	Rusby et al.			
	A35	2005/0133219 A1	06/23/2005	Zupanick			

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	B1	WO 98/25005	06/11/1998	WIPO			N/A	
	B2	WO 2005/003509 A1	01/13/2005	WIPO			N/A	

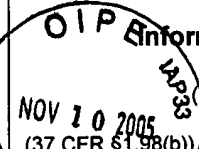
### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	C1	Karen Bybee, highlights of paper SPE 84424, "Coalbed-Methane Reservoir Simulation: An Evolving Science," by T.L. Hower, JPT Online, April 2004, Website: <a href="http://www.spe.org/spe/jpt/jsp/jptpapersynopsis/0,2439,1104_11038_2354946_2395832,00.html">http://www.spe.org/spe/jpt/jsp/jptpapersynopsis/0,2439,1104_11038_2354946_2395832,00.html</a> , printed April 14, 2005, 4 pages
	C2	Kevin Meaney and Lincoln Paterson, "Relative Permeability in Coal," SPE 36986, Society of Petroleum Engineers, Copyright 1996, pp. 231-236
	C3	Calendar of Events – Conference Agenda, Fifth Annual Unconventional Gas and Coalbed Methane Conference, October 22-24, 2003, in Calgary Alberta, Website: <a href="http://www.csug.ca/cal/calc0301a.html">http://www.csug.ca/cal/calc0301a.html</a> , printed March 17, 2005, 5 pages
	C4	Tom Engler and Kent Perry, "Creating a Roadmap for Unconventional Gas R&D," Gas TIPS, Fall 2002, pp. 16-20
	C5	CSIRO Petroleum – SIMEDWin, "Summary of SIMEDWin Capabilities," Copyright 1997-2005, Website: <a href="http://www.dpr.csiro.au/ourcapabilities/petroleumgeoengineering/reservoirengineering/projects/simedwin/assets/simed/index.html">http://www.dpr.csiro.au/ourcapabilities/petroleumgeoengineering/reservoirengineering/projects/simedwin/assets/simed/index.html</a> , printed March 17, 2005, 10 pages
	C6	Solutions From the Field, "Coalbed Methane Resources in the Southeast," Copyright 2004, Website: <a href="http://www.pttc.org/solutions/sol_2004/537.htm">http://www.pttc.org/solutions/sol_2004/537.htm</a> , printed March 17, 2005, 7 pages

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		Applicant Joseph A. Zupanick et al.	
		Filing Date November 1, 2001	Group Art Unit 3673

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	C7	Jeffrey R. Levine, Ph.D., "Matrix Shrinkage Coefficient," Undated, 3 pages
	C8	G. Twombly, S.H. Stepanek, T.A. Moore, "Coalbed Methane Potential in the Waikato Coalfield of New Zealand: A Comparison With Developed Basins in the United States, 2004 New Zealand Petroleum Conference Proceedings, March 7-10, 2004, pp. 1-6
	C9	R.W. Cade, "Horizontal Wells: Development and Applications," Presented at the Fifth International Symposium on Geophysics for Mineral, Geotechnical and Environmental Applications, October 24-28, 1993 in Tulsa, Oklahoma, Website: <a href="http://www.mgls.org/93Sym/Cade/cade.html">http://www.mgls.org/93Sym/Cade/cade.html</a> , printed March 17, 2005, 6 pages
	C10	Solutions From the Field, "Horizontal Drilling, A Technology Update for the Appalachian Basin," Copyright 2004, Website: <a href="http://www.pttc.org/solutions/sol_2004/535.htm">http://www.pttc.org/solutions/sol_2004/535.htm</a> , printed March 17, 2005, 6 pages
	C11	R. Purl, J.C. Evanoff and M.L. Brugler, "Measurement of Coal Cleat Porosity and Relative Permeability Characteristics," SPE 21491, Society of Petroleum Engineers, Copyright 1991, pp. 93-104
	C12	Peter Jackson, "Drilling Technologies for Underground Coal Gasification," IMC Geophysics Ltd., International UCG Workshop – October 2003 (20 pages)
	C13	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (3 pages) and Written Opinion of the International Searching Authority (5 pages) re International Application No. PCT/US2005/002162 mailed April 22, 2005
	C14	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (3 pages) and Written Opinion of the International Searching Authority (5 pages) re International Application No. PCT/US2005/005289 mailed April 29, 2005
	C15	Notification of Transmittal of the International Search Report and the Written Opinion of the International Searching Authority, or the Declaration (3 pages), International Search Report (5 pages) and Written Opinion of the International Searching Authority (5 pages) re International Application No. PCT/US2004/036616 mailed February 24, 2005
	C16	Notification of Transmittal of International Preliminary Examination Report (1 page) and International Preliminary Examination Report (3 pages) for International Application No. PCT/US03/13954 mailed April 14, 2005
	C17	Notification of Transmittal of International Preliminary Examination Report (1 page) and International Preliminary Examination Report (5 pages) mailed January 18, 2005 and Written Opinion (8 pages) mailed August 25, 2005 for International Application No. PCT/US03/30126
	C18	Notification of Transmittal of the International Search Report or the Declaration (3 pages) and International Search Report (5 pages) mailed November 10, 2000 for International Application No. PCT/US99/27494
	C19	Notification of Transmittal of International Preliminary Examination Report (1 page) and International Preliminary Examination Report (6 pages) mailed April 2, 2001 and Written Opinion (7 pages) mailed September 27, 2000 for International Application No. PCT/US99/27494

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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement</b> by Applicant (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17601-019001	Application No. 10/003,917
	Applicant Joseph A. Zupanick et al.		
	Filing Date November 1, 2001	Group Art Unit 3673	

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	C20	Notification of Transmittal of the International Search Report or the Declaration (3 pages) and International Search Report (5 pages) mailed June 6, 2002 for International Application No. PCT/US02/02051
	C21	Notification of Transmittal of the International Search Report or the Declaration (3 pages) and International Search Report (6 pages) mailed March 13, 2003 for International Application No. PC/US02/33128
	C22	Notification of Transmittal of International Preliminary Examination Report (1 page) and International Preliminary Examination Report (3 pages mailed April 22, 2004 and Written Opinion (6 pages) mailed September 4, 2003 for International Application No. PCT/US02/33128
	C23	Notes on Consol Presentation (by P. Thakur) made at IOGA PA in Pittsburgh, Pennsylvania on May 22, 2002 (3 pages)

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